EQUIPMENT LIST

À.	EQUIPMENT	TO	BE	SUPPLIED	BA	THE	SHA.	

SPECIFICATION

YTITMAU	UNIT	SECTION	DESCRIPTION
1	EA	SP	BASE MOUNTED LOCAL CABINET (SIZE 5) WITH DETECTION EQUIPMENT WITH 8 PHASE ASC II CONTROLLER WITH TELEMETRY AND OPTICOM PRE-EMPTION MODULE
55	SF	SP	FLAT SHEET ALUMINUM SIGN—YELLOW, ORANGE OR SILVER TO CONSIST OF—
			1 EACH R3-3(2) "NO LEFT OR U TURN" SIGN (30"x30") MAST ARM MOUNTED
			1 EACH R3-1 "NO RIGHT TURN" SIGN (30"x30") MAST ARM MOUNTED
			1 EACH R3-5(L) "LANE USE CONTROL-LEFT ONLY" SIGN (30"x36") MAST ARM MOUNTED
			1 EACH "LANE USE CONTROL-LEFT THRU RIGHT" SIGN (30"x36') MAST ARM MOUNTED
			1 EACH D-3(1) "ARROW-OLD EASTERN AVE" SIGN (VAR.x16") MAST ARM MOUNTED
			1 EACH D-3(1) "EASTERN BLVD" SIGN (VAR.x16") MAST ARM MOUNTED

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

QUANTITY	UNIT	SPECIFICATION SECTION	DESCRIPTION
10	CY		TEST PIT EXCAVATION
10	LF		SAWCUTTING
135	LF		24 INCH WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING TAPE
45	1991 1991		REMOVE EXISTING PAVEMENT MARKINGS- ANY WIDTH
2	EA		FURNISH AND INSTALL MICRO-LOOP TRIPLE PROBE SET (1000')
1	LS		REMOVE AND DISPOSE OF EXISTING MATERIAL
1	LS		DELIVERY OF SALVAGED CONTROLLER AND CABINET
1	LS		REMOVAL AND SALVAGE OF CONTROLLER AND CABINET
8	EA		FURNISH AND INSTALL 12", 1 WAY 3 SECTION POLYCARBONATE SIGNAL HEAD—MAST ARM MOUNTED
1	EA		FURNISH AND INSTALL 12", 1 WAY 3 SECTION POLYCARBONATE SIGNAL HEAD—PEDESTAL POLE MOUNTED
10	CY		FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
40	LF		FURNISH AND INSTALL NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
25	LF		FURNISH AND INSTALL 2" (SCHEDULE 80) RIGID P.V.C. CONDUIT (RISER)
555	LF		FURNISH AND INSTALL 2" (SCHEDULE 80) RIGID P.V.C. CONDUIT (TRENCHED)
70	LF		FURNISH AND INSTALL 4" (SCHEDULE 80) RIGID P.V.C. CONDUIT (TRENCHED)
255	L.F		FURNISH AND INSTALL 2" (SCHEDULE 80) RIGID P.V.C. CONDUIT (SLOTTED)
180	L, F		FURNISH AND INSTALL 4" (SCHEDULE 80) RIGID P.V.C. CONDUIT (SLOTTED)
50	LF		FURNISH AND INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
170	LF		FURNISH AND INSTALL ELECTRICAL CABLE- 1 CONDUCTOR NO. 4 (THHN/THWN)
11	EA		FURNISH AND INSTALL ELECTRICAL HANDHOLE
55	SF		INSTALL OVERHEAD SIGN
1	EA		FURNISH AND INSTALL 14' BREAKAWAY PEDESTAL POLE
2	EA		FURNISH AND INSTALL STEEL POLE WITH TWIN 50' MAST ARMS
615	LF		FURNISH AND INSTALL 12-PAIR COMMUNICATION CABLE-SELF SUPPORTING (OVERHEAD)
175	LF		FURNISH AND INSTALL 12—PAIR COMMUNICATION CABLE—JELLYFILLED (UNDERGROUND)
2	EA		FURNISH AND INSTALL 250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE
3	EΑ		FURNISH AND INSTALL GROUND ROD 3/4" DIAMETER×10' LENGTH
1	EA		FURNISH AND INSTALL CONTROL AND DISTIBUTION EQUIPMENT (120v/240v, 1 PHASE 3 WIRE SYSTEM)
1315	LF		FURNISH AND INSTALL ELECTRICAL CABLE 2 CONDUCTOR (ALUMINUM SHIELDED
285	LF		FURNISH AND INSTALL ELECTRICAL CABLE 5 CONDUCTOR (NO. 14 A.W.G.)
685	L.F		FURNISH AND INSTALL ELECTRICAL CABLE 7 CONDUCTOR (NO. 14 A.W.G.)
390	LF		FURNISH AND INSTALL ELECTRICAL CABLE 2 CONDUCTOR (NO. 12 A.W.G.) TRAY CABLE
1110	LF		FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 A.W.G.)
440	in particular particul		FURNISH AND INSTALL SAWCUT FOR SIGNAL (LOOP DETECTOR)
2	EA		FURNISH AND INSTALL 20' LIGHTING ARM ON SIGNAL POLE
1	E.A	randriam Nationary na sangram sandrinos princip put princip participa por indicato principa por indicato principa	INSTALL EIGHT PHASE (FULLY ACTUATED) CONTROLLER AND CABINET—BASE MOUNT

WIRING DIAGRAM



PHASING DIAGRAM

RYG

R

(R) Y)G

R

PHASE 2+6

2+6 CHANGE

PHASE 4+8

4+8 CHANGE

FLASHING OPERATION (Y)

R

RYG

(O)<

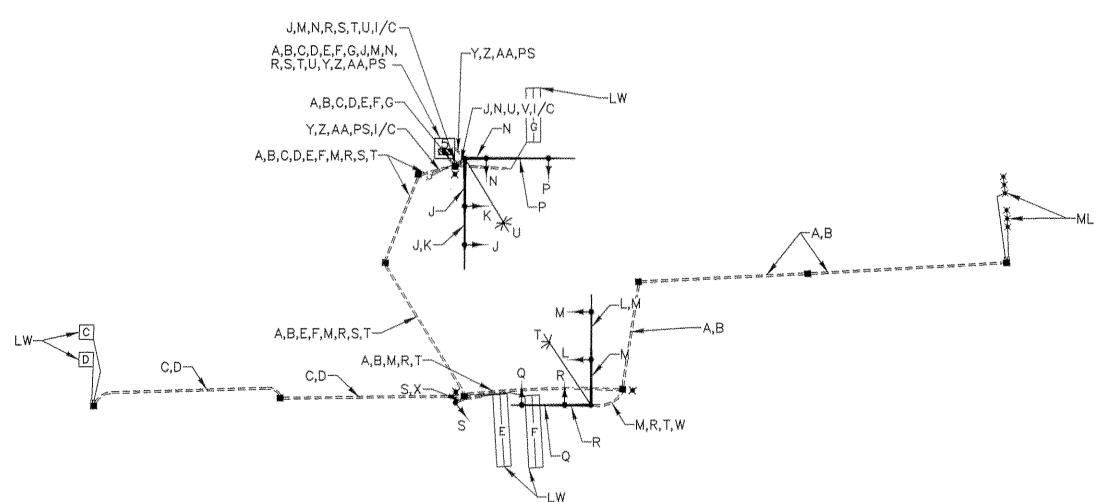
RYG

RYG

G G

RYG

RR



PROJECT DESCRIPTION

I. GENERAL

THE WORK TO BE PERFORMED INVOLVES THE RECONSTRUCTION OF THE EXISTING TRAFFIC SIGNAL AT MD 150 (EASTERN BOULEVARD) AND EASTERN AVENUE IN ESSEX, MARYLAND. IT IS ASSUMED THAT MD 150 (EASTERN BOULEVARD) RUNS IN AN EAST—WEST DIRECTION.

II. INTERSECTION OPERATION

★ - 3/4"x10' GROUND ROD

ML - MICRO-LOOP PROBE I/C - INTERCONNECT WIRE

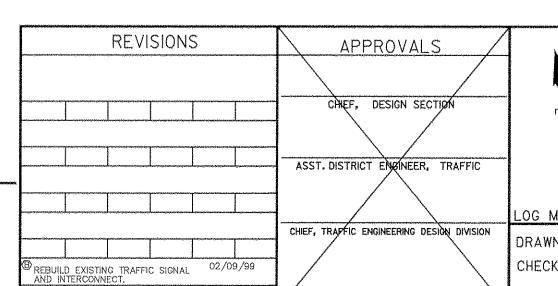
LW - LÓOP WIRE

THE INTERSECTION WILL OPERATE IN A NEMA FOUR (4) PHASE FULLY TRAFFIC ACTUATED MODE. EASTBOUND AND WESTBOUND MD 150 (EASTERN BOULEVARD) WILL OPERATE CONCURRENTLY AND NORTHBOUND AND SOUTHBOUND EASTERN AVENUE WILL OPERATE CONCURRENTLY.

A NEW EIGHT PHASE FULLY ACTUATED CONTROLLER WITH TELEMETRY MODULE HOUSED IN A GROUND MOUNTED CABINET WILL BE INSTALLED.







DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

BALTIMORE

3864B

_ OF <u>42</u>

TRAFFIC ENGINEERING DESIGN DIVISION

MD 150 (EASTERN BOULEVARD) AND EASTERN AVENUE

GENERAL INFORMATION SHEET DATE: FEBRUARY 09,1999 DRAWN BY: .A.P. NO. CHECK BY: <u>연변 3-7-69</u> TS NO.: SHEET NO. .H.A. NO.

COUNTY

